





### ***Claim Rejection - 35 USC 103***

Claims 2-4 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Matsui et al in view of Hattori et al (U.S. Patent No. 4,095,876). Applicant respectfully traverses this rejection for the reasons set forth below.


The Examiner asserts that “Hattori discloses the suitability of a control system for discharging an input charge using an external signal (Column 4, lines 21-64),” and that “Hattori teaches the suitability of a control system for discharging an input charge using an external signal in a charge amplifier using a piezoelectric sensor for an internal combustion engine.”

However, the subject matter of claims 2-4 of the present application not only simply discharge an input charge using an external signal, but makes it possible to simultaneously prevent the drift of the zero point due to the leakage of the charge and by the influence of temperature in association with the operation of an automatic correction circuit for detecting a leakage of the charges generated in a signal transmission system and for automatically correcting an output level of the amplifier so that the output levels are the same at the start timing and at the end timing for generating the charges of the sensor. Such functions and effects are unique to the subject matter of claims 2-4 by the associated operation, and neither disclosed nor suggested by Matsui or Hattori. Thus, claims 2-4 are patentable over Masui in view Hattori.

In view of the above, Applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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